

Call Volumes and Response Time Impacts of Proposed Stations (using FY11 data)				
	Onion Creek	Travis Country	Grand Avenue Pky	Loop 360
Number of FY11 incidents ^a				
Total incidents	915	777	185	73
Emergency incidents	725	558	137	47
% emergency	79%	72%	74%	64%
Emergency response times ^b				
Current response times				
Average minutes	9.4	8.3	8.0	7.4
Percent within 8 minutes	30%	59%	51%	64%
With new station				
Average minutes (est.)	7.0	7.0	7.3	6.1
Percent within 8 minutes (est)	72%	80%	61%	83%
Estimated impact:				
Minutes saved	2.3	1.3	0.6	1.3
Increase in % within 8 minutes	43%	21%	10%	19%
Case base for calculations	589	422	90	36
^a Since site selection has not occurred, new station territories were defined by selecting a major intersection centrally located in the area of interest and then using GIS travel time estimates to identify FY11 incidents where the selected intersection was closer to the incident than existing AFD stations.				
^b Response times were measured from phone pickup at the AFD or EMS dispatch centers to arrival of first fire department unit. Limited to incidents where AFD or EMS did the calltaking, first-in units traveled Code 3 (lights and sirens), had valid arrival timestamps, and there were no known interruptions of response (e.g, staged by law enforcement). The impact of new stations was estimated by using GIS to estimate the travel time to each FY11 incident from both the responding station and the new station, then subtracting the difference between the travel time estimates from the observed response time.				

Formula 1

263
214
81%

10.3
9%

9.3
61%

1.0
52%
162